FIG.1A

```
ATGGATGAGCACTGCCAGCACCACCCACCCACCACTGAAGCATCTAGCTCA

M N D T A S T I P P A T E A I S A H
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                                                                                                                                                                                                                                                                                CAACAGGATTGGATATCATATCCCCATGTTTGCTGGCTTTGTTATCATGTTTCTCCAC
N R I G Y H I P M F A G F V I M F L S T
                                                        3GTGCCAATTGTGCCCACCTTCCTATATGACATGGAGTTCAAAGAAGTCATCTCTTCTCT
                                                                                                                                                                          CTTCTCCTTCTTCAACAACAACAGCGTGGCTGTTGAAGAAAGCGTACCTAGTGGAATAGC
GCTGGTGCTGGTGGTATTCGTCGCTTTGCTCCTGGACAACATGCTGTTTACTGTGG
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                                                                                                                   SCACCTCGGGCATGCCGGAAGTTCCCCACATGCCCTCGCCTCTCCTGCCTT
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## FIG.1B

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CAAAGTCTCTCCTGAGAGTGCCAAGGGGACTCCCCTCTTTATGCTTCTCAAAGACCCTTA
                                                                                                                                    CATCCTGGCCTTCCTGGCACTACTGGATGGAGCACTCCAGCTTTGCATCCTACAGCCTTC
                                                                                                                                                                                                                                                                           CATCCTGGTGGCTGCAGGGTCCATCTGCTTTGCCAACATGGGGGGTGGCCATCCTGGAGCC
                                                                                                                                                                                                                                                                                                                                              CACACTGCCCATCTGGATGATGCAGACCATGTGCTCCCCCCAAGTGGCAGCTGGGTCTAGC
                                                                                                                                                                                                                                                                                                                                                                                                                  TTCTTGCCTGCCAGTGTGTCCTACCTCATTGGCACCAACCTCTTTGGTGTGTTGGCCAA
                                                                  3GTGGGAGCTCCCTTTGGAAGTGTAATGTACGAGTTTGTTGGGAAGTCTGCACCCTTCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   : AAGATGGGTCGGTGTGTTCCCTAATCGGGATGCTGGTAGTAGGTACCAGCTTGC
GACCATGAGAGAGGACGAGCCATGGGAACTGCTCTGGGGGGCCTGGCCTTGGGGTTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTGTGTTCCTCTGGCTCACAAAATTTTGGTCTCATTGGCCCCAATGCAGGGCTTGGCC
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                      G T A L G G L
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FIG. 1

## ig.1D

AATTAACTGATTAGACCCCAAGATTTCATGGAAGAAGTTAAAAGAAACTGCCTTGGAAAT CCCTC

FIG. 1E

## Homology Alignment between HATBG78 and the Rat Amine Transporter

20	20	100	100	150	147	200	197	
1 MLRPILDAPQRLLKEGRASRQLVLVVVFVALLLDMMFTVVVPIVPTFLY		51 DMEFKEVISSLHLGHAGSSPHALASPAFSTIFSFFNNNTVAVEESVPSGI 100	51 ATEFKDSNSSLHRGPSVSSQQALTSPAFSTIFSFFONTTTTVEEHVPFRV 100	101 AWMNDTASTIPPPATEAISAHKNNCLQGTGFLEEETTRVGVLFASKAVMQ 150	.1     -	151 LLVNPFVGPLTNRIGYHIPMFAGFVIMFLSTVMFAFSGTYTLLFVARTLQ 200		
		ĽΩ	S	9	2	. 5	4	

FIG.2A

451 PHGDPDVSTQKPLPWTSH 468	451	
398 FAIGWDSSLMPIMGYLVOLRHTSVYGSVYAIADVAFCVGFAIGPSTGGV 447	398	
401 LXIGMVESSMMPIMGHLVDPRHTSVYGSVHAIADVAFCMGFAIGYSESGL 450	401	
	348	
351 IGTNLFGVLANKMGRMLCSLIGMLVVGTSLLCVPLAHKNFGLTGPNAGLG 400	35	
298 YILVAAGSICLANMGVAILEPTLPIMMMQTMCSPEWQLGLAFLPASVAYL 347	52	
301 YILVAAGSICFANMGVAILEPTLPIMMMQTMCSPKWQLGLAFLPASVSYL 350	ିନ	
	24	
2551 ŸEFVGKSAPFLILAFLALLDGALQLCILQPSKVSPESAKGTPLFMLLKDP 300	25	

448 IVOVIGFPMLMVIIGTIN 465
FIG.2B